Afaku d tnejjart n uɣellay n tiṭ

R-Evolution CR

Fakumulsifikasyun d fitriktumi n zdat d deffir.

R-Evolution CR d tinasant s waṭas n yiseqdacen i ugzay n wallen. Tesdukkel tatiknuluji tamaynut d unermis yeshilen i tzemmar n ugzay d useqdec iwulmen.



R-Evolution CR · Tugna

Iɣbula d yisemliyen

Suter tasɣunt n ssuma

Wali afaris

Tettwahegga ass n 2026-11-10

> Taferkit-a n ufaris thegga-tt ASEM. Ur tettbeddil ara isemliyen unsiben n umeskar neɣ tinaḍin n useqdec.

Iferdisen igejdan

Agzay yedduklen

Fako d fitriktumi n zdat d deffir.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-17

Sin n yizamulen n ussuḍeḍ

Tafrant gar tpumpi peristaltik d Venturi.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-17

Fako s ultrasons

Aseffeɣ ameɣlal, s yinubag neɣ s ikellafen ɣer 40 kHz.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-17

Seggem iseylayen

Anermis yesdukkel isefka n tpumpa d ušerruc i ugzay yedduklen.



R-Evolution CR · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-08-30

Ḥkem vitrektumi

Tugna n ugzay teskan iseɣtayen usligen i timellilin vitri-retin.



R-Evolution CR · Tugna

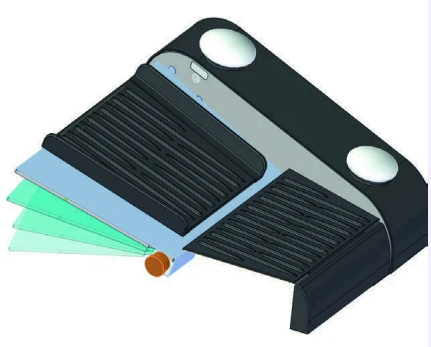
Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-08-30

Seggem tapiḍalt-ik

Tapiḍalt tettwasihlen s wahil teğğa inadiyen iwulmen ɣer uḍar deg ugzay.



R-Evolution CR · Tugna

Iɣbula d yisemliyen

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-08-30

Abrid n ugzay

Tiwuriwin iwulmen i wahil n ugzay dduklen deg tinasant.

Aḥkam n yiselwan

Isefka yettwasuddesen i timellilin n ugzay.

Anermis n umsekyad

Taɣuri izegzayen n yiseggimen d yisallen n unagraw.

Tiwuriwin deg usnas

Fakoemulsifikasyon

Iɣbula d yisemliyen

Vitrektumi n zdat

Iɣbula d yisemliyen

Vitrektumi n deffir

Iɣbula d yisemliyen

Tulmisin tigejdan

Anermis yeshilen:

Agdil anallay s tifrat ɛlayen i unadi yeshilen.
Aseggem n yisefka ilmend n ufran n umgerrez.
Tatiknuluji tamaynut n fakoemulsifikasyon:

Anagraw s tzemmar i ugzay iṣeḥḥan n katarakt.
Asenqes n tarwast d uḥkam n tnezmart.
Tuqqna yewseɛen:

Yettwaxdem i tuqqna n yimudulen n vitrektumi d yigzayen-nniḍen n wallen.
Yettawi itiknulujiwin timaynutin n yibenkan.
Anagraw n ušerruc d usus:

Aseggem iṣeḥḥan i urkad n texxamt tamezwarut n tiṭ.
Aḥkam awurman i usemẓi n yimih deg ugzay.

Ergonomi:

Taɣessa tameẓyant i texxamin n ugzay.
Amussu yeshilen s rrwaḍi d tifetlin iqeṣḥanen.

Isnasen igejdan

Agradd n katarakt.
Agradd n retin d vitri.
Igzayen-nniḍen n wallen i yeḥwağen tinasant iṣeḥḥan s telqay.

Imallalen yellan

Imudulen imernan: ifranen i useggem n tinasant ilmend n yisuturen n ugzay.
Iferdisen n ubeddel: ibenkan iwulmen i useɣti yeshilen.
Anagraw n yisemliyen: tuqqna tezmer i usekles n uvidyu n yigzayen.

Tulmisin titiknikanin

Anagraw s snat n tpumpin: peristaltik d Venturi, i ufran ilmend n yisuturen n ugzay.

Agile Fluidics™: aḥkam n tḍɣeṭ daxel n tiṭ (PIO) s ušerruc amurmad yettwaḥkamen s umikrupṛusisur, i urkad n yiselwan deg yigzayen n zdat d deffir.

Agezzum arurad n vitri: tisassin vitri-retin TWEDGE™ 20K s snat n timessuin, alamma 20 000 n yigezzumen deg tesdat i tnezzut n vitrektumi.

Iɣbula LED yemgaraden: kraḍ n yiɣbula LED war UV d IR iḍurren, s yimsizdigen n yiniten yettwafranen, i tafat d uḥraz mgal futuṭuksisiti.

Amudul n lazer azegzaw yedduklen (532 nm): afran n indufutukuagulasyon s unermis n uḥkam n lazer, i tidawiyin iṣeḥḥan n retin.

Tiwuriwin timernanin i ugzay n vitri-retin

Abeddel awurman n useyli/waḍu, i yettwaḥkamen daɣen s tpiḍalt.
Aseddu d tukkssa n zzit n silikun, s usus deg yiwen n wakud s yiwen n ukit.
Diyatermi eso/endo.
Fakoemulsifikasyon s pars plana.
Aseffeɣ n yiselwan.

Aḥkam iwulmen n tnezmart n ultrasons (Minimal Stress™)

Anagraw yettwasgunfen ilmend n tɣara n ukristalin, yeseggem aseffeɣ n ultrasons deg yiwen n wakud, i teɣzi yelhan d wurkad n yixef phaco.

Anermis n useqdec anerni

Aseɣẓan yeshilen d tpiḍalt war tinelli, i yettwasihlen s wahil, ttağğan aḥkam usrid aḍran neɣ aḥerfi, ilmend n ufran n umgerrez.

Iferdisen igejdan n unfaɛ

Aṭas n yiseqdacen: iwulem i yigzayen imduklen n katarakt d vitri-retin, d tinasant yemden i yimgerrazen n wallen.
Taɣellist: itiknulujiwin yedduklen i urkad n texxamt tamezwarut d uḥraz n tɣessiwin n tiṭ tifessasin.
Tanezzut: asenqes n wakud n ugzay s twuriwin timaynutin d unermis iwulmen.

Tisekta d tẓayt

Tisekta (Tehri x Telqay x Teɣzi): 54 x 57 x 165 cm.
Taẓayt: 130 kg.

I wakken ad yishil ubrid n umahil

Sin n yisekkiren n usuḍḍef

R-Evolution CR yesɛa ahil n usus d uzzal ilmend n uskar yettwafernen.

- Tipumpin peristaltik d Venturi.
- Asus: 5–700 mmHg.
- Azzel peristaltik: 1–90 ml/min.

Iɣbula d yisemliyen

Assew urmid neɣ s ujbad n tmurt

Assew urmid yettusenqad s umikruprusesur. Taferkit teskan daɣen assew s ujbad n tmurt, s usenqed n unadi n uḍar.

Iɣbula d yisemliyen

I useqdec n yal ass

Aṭas n yisekkiren n phaco

Aferdis n ufus piyizuiliktrik ixeddem ɣer 40 kHz, s useggem uqfil neɣ imzireg n tazmert s tpiḍalt.

- Asufeɣ izamlan, s yimpulsyen neɣ s yigrumen.
- Ineggafen n uḥbas Autolimit d HD Pulse.

Iɣbula d yisemliyen

Vitrektumi tamezwarut s usenqed

Avitrektum apnumatik yesɛa arured seg 60 ar 10,000 n yigezzumen/min. S tetiknuluji Twedge, azilal yettwabedren d seg 120 ar 20,000 n yigezzumen/min.

Arured Twedge yeqqen ɣer uvitrektum icudden; ur yessegza ara akk imerna.

- Asenqed uqfil neɣ imzireg s tpiḍalt.

Iɣbula d yisemliyen

Diyatirmi bipular tettuseggam

Ameslal bipular n 2 MHz yesɛa tazmert tanamalt n 9 W s uɛebbi n 200 ohms; aseggem yettazzal seg 5 % ar 100 %.

Iɣbula d yisemliyen

Iseggamen s uḍar

Tapiḍalt tesenqad assew, asuḍḍef, phaco d vitrektumi i yettwasegzan deg teferkit. Tizwertin n tazwara zemrent ad ttusehilent ilmend n twuri.

Iɣbula d yisemliyen

Tawila i retina

Lqem CR yesdukkel vitrektumi taneggarut d 3 n yiɣbula LED ilelliyen. Tiwuriwin timernanin bḍant-d abeddel n ulikid/uhwa d usefrek n zzit n silikon.

- Tawila tameslugant R-Evolution ur ilaq ara ad tettwaḥseb d lqem CR.

Iɣbula d yisemliyen

Isallen itiknikanen d yisemliyen

Ticreḍt
BVI Medical

Anaw
R-Evolution CR

Tatiknuluji
Fakoemulsifikasyon

Aseqdec akliniki
Agradd n katarakt d retin

Asnagar n phaco
40 kHz

Asnagar aqeṛban; mačči d leḍman n tɣara taklinikant yugaren.

Iɣbula d yisemliyen

Asus afellay
700 mmHg

Iɣbula d yisemliyen

Azzel afellay
90 ml/min

Askar peristaltik kan.

Iɣbula d yisemliyen

Arured n ugezzum n vitrektumi tamezwarut
10000 coupes/min

Tassast tamezwarut tamagnut; talast tafellayt TWEDGE d afran ur teddukel ara.

Iɣbula d yisemliyen

Tipumpin
Peristaltik · Venturi

Iɣbula d yisemliyen

Iɣbula n tafat
3

Tafawt daxel n tiṭ; ulac ilem i d-yettwakkasen i leqwamat ur nesɛi isemliyen.

Iɣbula d yisemliyen

Inadiyen
Tapiḍalt tettwasihlen s wahil

Iɣbula d yisemliyen

Asaɣ n trisiti
100–240 V AC ; 50–60 Hz

Iɣbula d yisemliyen

Tisekta
54 × 57 × 165 cm

Takunsult yemden ɣef ukaru.

Iɣbula d yisemliyen

Taẓayt
130 kg

Aburj yemden; tawila ur nemṣada ara akked tẓayt n tkunsult iman-is.

Iɣbula d yisemliyen

Asnagar aqeṛban; mačči d leḍman n tɣara taklinikant yugaren.

Askar peristaltik kan.

Tassast tamezwarut tamagnut; talast tafellayt TWEDGE d afran ur teddukel ara.

Tafawt daxel n tiṭ; ulac ilem i d-yettwakkasen i leqwamat ur nesɛi isemliyen.

Takunsult yemden ɣef ukaru.

Aburj yemden; tawila ur nemṣada ara akked tẓayt n tkunsult iman-is.



R-Evolution CR · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen



R-Evolution CR · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen



R-Evolution CR · Tugna

Iɣbula d yisemliyen

Asider d yiɣbula

- https://www.bvimedical.com/wp-content/uploads/2021/11/BVI_R-Evolution-CR_TDS_EN.pdf
  Aɣbalu yettwasentem ass n 2026-10-05
- https://www.bvimedical.com/wp-content/uploads/2021/11/BVI_R-Evolution-CR_TDS_EN.pdf
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- https://www.bvimedical.com/wp-content/uploads/2023/12/1739334-01_Revolution_Brochure.pdf
  Aɣbalu yettwasentem ass n 2026-08-30
- https://www.bvimedical.com/products/r-evolution-cr/
  Aɣbalu yettwasentem ass n 2026-08-30
- https://www.bvimedical.com/wp-content/uploads/2021/11/BVI_R-Evolution-CR_TDS_EN.pdf
  Aɣbalu yettwasentem ass n 2026-10-18

Isteqsiyen-nwen ɣef R-Evolution CR

D acu Asnagar n phaco iɣef llan yisemliyen n R-Evolution CR?

40 kHz — Asnagar aqeṛban; maćći d leḍman n tɣara taklinikant yugaren.

Iɣbula d yisemliyen

D acu Asus afellay iɣef llan yisemliyen n R-Evolution CR?

700 mmHg

Iɣbula d yisemliyen

Anta tawila i ilaq ad sentmeɣ i R-Evolution CR?

Asnagar aqeṛban; maćći d leḍman n tɣara taklinikant yugaren.

Iɣbula d yisemliyen

Anwa anaw n usuḍḍef yellan deg R-Evolution CR?

Tipumpin peristaltik d Venturi.

Iɣbula d yisemliyen

Amek ara neɣer arured n vitrektumi?

Taferkit n lqem-a tefrez arured n 60–10,000 n yigezzumen/min d uzilal n 120–20,000 s Twedge. Aferdis n ufus d twila i yettwasutren ilaq ad mṣadan.

Iɣbula d yisemliyen

Assew s ujbad n tmurt yettwasegza daɣen?

Ih. Taferkit teskan assew urmid s umikruprusesur d ussew s ujbad n tmurt. Ayen yellan s tidet deg umkan ilaq ad yettwasentem deg uheggi n twila.

Iɣbula d yisemliyen

Ifarisen icudden



R-Evo Smart® CR

BVI Medical

Afaku d tnejjart n uɣellay n tiṭ

Fakumulsifikasyun d fitriktumi n zdat d deffir.

Wali afaris



R-Evo Smart® E

BVI Medical

Afaku d tnejjart n uɣellay n tiṭ

Fakumulsifikasyun d fitriktumi n zdat.

Wali afaris



R-Evo Smart® S

BVI Medical

Afaku d tnejjart n uɣellay n tiṭ

Fakumulsifikasyun d fitriktumi n zdat.

Wali afaris



R-Evolution

BVI Medical

Afaku d tnejjart n uɣellay n tiṭ

Tanagrawt n fakumulsifikasyun s twuriwin n ugzay yettuseggamen.

Wali afaris

Wali akatalug akliniki n ASEM

Wali taɣulin icudden deg ukatalug ASEM. Iseɣwan-a ur rennun ara isnasen imaynuten i yibenk-a.

Agzay n katarakt d retina

Ugar n yibenk, d amɛiwen i wakud ɣezzifen

Mmeslay ɣef usenfar-ik akked ASEM: afran n yibenkan, asbeddi, asileɣ d tallalt tatiknikant.



Tugna n umeẓlu

Asbeddi

Mmeslay ɣef yisuturen n usbeddi d twila akked terbaɛt-nneɣ tatiknikant.

Issin ugar



Tugna n umeẓlu

Asileɣ

Suter isallen ɣef usileɣ d ulmad n useqdec yellan i yibenk-ik.

Issin ugar



Tugna n umeẓlu

Ameẓlu deffir uznuzu

Nermes ASEM i tallalt tatiknikant d umɛiwen i yibenk-ik.

Issin ugar



Tugna n umeẓlu

Anṣaḥ n yimussnawen

Mmeslay-aɣ ɣef yisuturen-ik iklinikiyen i wakken ad nefren ibenkan iwulmen.

Issin ugar

Nermes amussnaw | Wali akk ifarisen | Asmel n umeskar

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