





PDD System with Combilight PDD Light Source 5138

WOLF PDD-System ... early identification — stops worries!

The photodynamic diagnostic system "PDD" has developed into a genuine alternative for early identification of bladder carcinoma during the past few years. This procedure is based on an interaction between light of suitable wavelength with tumor selectively enriched substances. These substances generate fluorescence contrasts during the PDD.

Fluorescence refers to the ability of bodies or substances to convert the light absorbed by them into light of a different wavelength. A photosensitive marker, e.g. "ALA®", "HEXVIX®" is required in order to perform the "PDD" photodynamic diagnostic procedure. This kind of marker is instilled into the bladder at a point in time defined by the manufacturer. The bladder surface then takes up the solution and converts it into a dye specific to the body. This dye is deposited selectively in the tumor and there generates a fluorescence in the red to pink range following excitation with blue-violet light.

Instruments and equipment

A special light source is essential for the PDD which can generate white light or blueviolet light, e.g. our new "Combilight PDD 5138".

The excitation light should have a maximally high intensity in order to generate a clear fluorescence. A dedicated light cable, special telescopes and a special camera head which can also be used in white-light mode are required in addition to the new high-power Combilight PDD 5138.

Technology

After an initial inspection of the bladder using standard white light, the system is switched to blue-violet light. This illumination excites the dye to form a fluorescence in the red-pink range. This makes any potential tumor easily visible to the eye as a red-pink area and the

tumor can also be completely resected immediately without any impairment to visualization.

This was only possible under certain circumstances in the past. New video technology means that this procedure can now be carried out in real time and at the standard cutting speed.

Benefits

The extreme luminous intensity of this system means that an enhanced level of the light power necessary for fluorescence excitation is achieved. This increases the information yielded by the procedure.

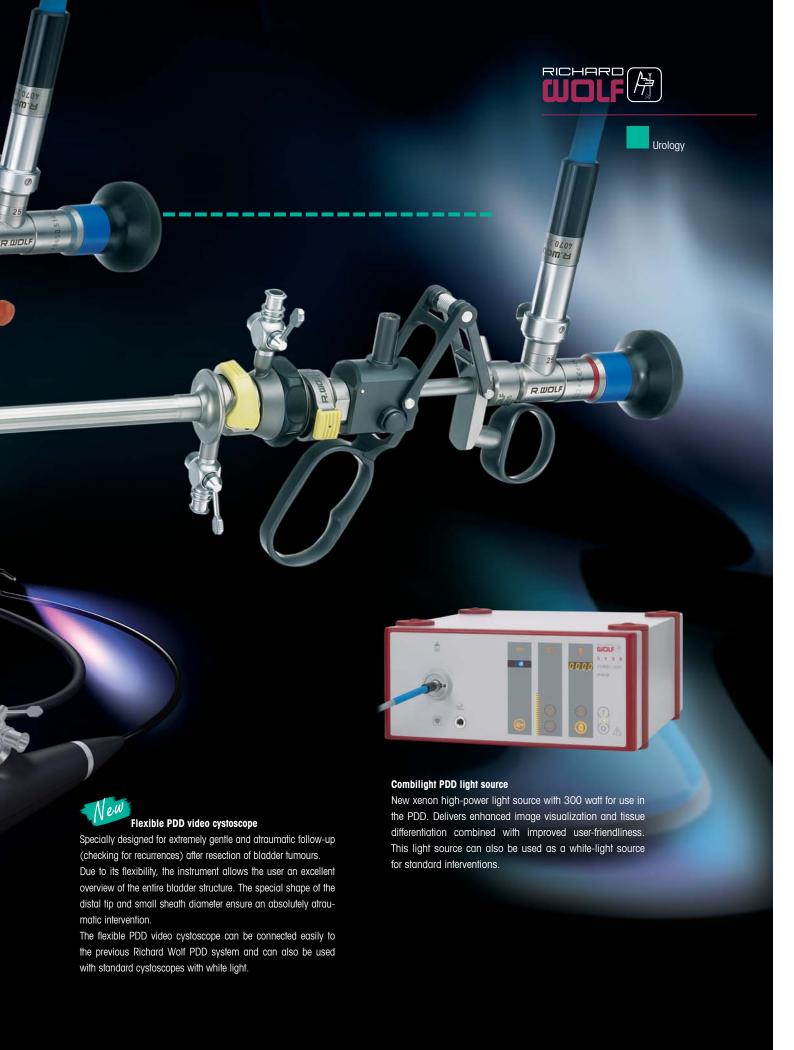


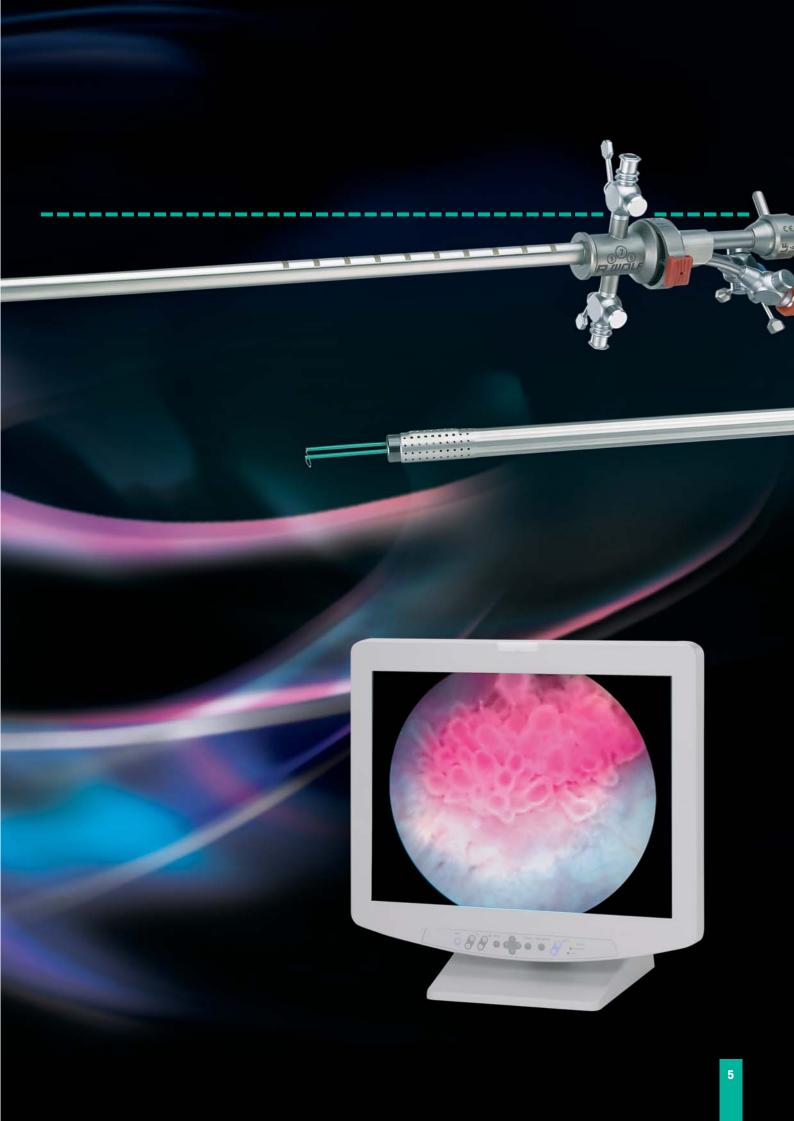
Telescopes

New special PDD telescopes can be used as standard telescopes and as PDD telescopes with white light. The view through the telescope shows a continuously clear unrestricted image without yellow cast or other discoloration.











PDD System with Combilight PDD Light Source 5138

spirit of excellence

Combilight PDD 5138 Set

High-power light source for photodynamic diagnostic system "PDD", early identification of bladder carcinomas, switchable between white and blue-violet light incl. anti-bleaching filter comprising:

Light source Combilight PDD 5138 (5138.101), lamp module with 300 watt (2431.111), system cable (103.03), power cable 3 m (2440.03), CAN-BUS connecting cable 0.5 m (103.701), pedal switch (2030.105)................5138.1011

Panoview telescope "PDD"

Ø 4 mm, free of distortion

0°, with universal eyepiece8650.514

Panoview telescope "PDD"

Ø 4 mm, free of distortion

12°, with universal eyepiece8654.53

Panoview telescope "PDD"

Ø 4 mm, free of distortion,

Panoview telescope "PDD"

Ø 4 mm, free of distortion

70°, with universal eyepiece8650.515

Flexible PDD video cystoscope

oblique distal tip 9.8 Fr., sheath 15.9 Fr., working and irrigation channel 6 Fr., deflection 210° up , 150° down (in total 360°), WL 400 mm, with integrated suction valve and fixed light cable including:

Leak tester with bayonet connector (163.903), steri-gas valve (163.904), cleaning brush (7264.691) and case, control lever action towards distal; deflection down,

As above however with control lever action towards distal; deflection up,

PAL version730900642

Types in NTSC version on request

Urological camera head

Fluid light cable

Ø 3 mm, 2.3 m long4070.253

Endocam controller 5520

Recommended accessories:

Flat-screen monitor 19"

for pin-sharp endo images......5370.019

Base leg5370.0190

Remote control5520.401

Usable with all standard cystoscopes and standard resectoscopes.

RICHARD WOLF GmbH - 75434 Knittlingen - PF 1164 - Telephone +49 70 43 35-0 - Telefax +49 70 43 35-300 - GERMANY - info@richard-wolf.com - www.richard-wolf.com

AUSTRIA · BELGIUM / NETHERLANDS · FRANCE · GERMANY · INDIA · U.A.E. · UK · USA