



COR ACTIVE

OPTICAL FIBERS
FOR MEDICAL APPLICATIONS



About us

At Coractive, we are constantly designing and innovating to manufacture specialized optical fibers so our customers can become and remain leaders in their markets.

With the mission of providing the highest quality optical fiber solutions and outstanding customer service, we specialize in optical fiber design and manufacture.

Founded in 1998 and based in Quebec City, Canada, Coractive's team of specialists have since helped to deliver tried and tested solutions throughout the world.

List of Optical Fibers for Medical Applications

Fiber Type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA	Clad absorption @790nm or (dB/m)	Applications	Description
Double Clad Thulium Fibers	DCF-TM-25/400 ¹	25	400	0.09	4.2	2 μm fiber lasers and amplifiers	
	DCF-TM-6/128-22	6	128	0.22	1.5	2 μm fiber lasers and amplifiers	
	DCF-TM-10/128	10	128	0.22	4.0	2 μm fiber lasers and amplifiers	
	DCF-TM-15/250P-12	15	250	0.12	3.5	2 μm fiber lasers and amplifiers	
	DCF-TM-25/250P	25	250	0.11	8.0	2 μm fiber lasers and amplifiers	
	DCF-TM-22/400P	22	400	0.1	3.0	2 μm fiber lasers and amplifiers	

¹Fiber in development. Contact us to know more and to discuss custom development opportunities.

List of Optical Fibers for Medical Applications

Fiber Type	Model	Core Diameter (μm)	Cladding Diameter (μm)	Core NA	Applications	Description
Single Clad Thulium	TM 134	3	125	0.16	2 μm fiber lasers and amplifiers	-
	SCF-TM-8/125	8	125	0.17		-
Single Clad Thulium-Holmium	TH 512	9	125	0.16	2 μm fiber lasers and amplifiers	-
	TH 550	11.5	125	0.14		-

Fiber type	Model	Core Diameter (μm)	Cladding Diameter (μm)	Core NA	Applications	Description
Passive Fibers	DCF-UN-8/125-14	8	125	0.14	Relay and passive component fibers	Match : DCF-EY-6/128, DCF-EY-10/128H, DCF-EY-12/128H
	DCF-UN-16/125-16	16	125	0.16		Match : DCF-EY-16/128-18
	DCF-UN-25/250-10	25	250	0.1		Match: DCF-TM-25/250P
	DCF-UN-25/400-10	25	250	0.1		Match: DCF-TM-25/400

Fiber type	Model	Core Diameter (μm)	Cladding Diameter (μm)	Core NA	Clad absorption @915nm (dB/m)	Applications	Description
Double Clad Erbium/Ytterbium Fibres	DCF-EY-6/128-G2	6	128	0.2	0.9	1.5 μm fiber lasers and amplifiers	Single mode. First stage of amplifiers
	DCF-EY-10/128H-G2	10	128H	0.2	2.4		Few moded fiber. 2 nd stage of amplifier.
	DCF-EY-12/130H	12	130	0.2	3.2		Few moded fiber. 2 nd stage of amplifier.
	DCF-EY-16/128-18	16	128	0.18	6.0		Reaches at least 50W

For additional information please contact our sales representatives.

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or visit our website at www.coractive.com

