

### CYTOLOGY ANSO®

Needles for cytology are offered in 20, 21 and 22 gauge sizing. are 13 mm in length. All needles have a catheter with a length of 140 cm and an outer diameter of 1.8 mm.

A more rigid needle is required (Series ANSO®-WI) for cytologic sampling of the hilar and medi-astinal regions of the lung. A highly flexible needle to accommodate an angulated scope is available for peripheral cytology (Series ANSO®-W). Combination needles offer the options of both stiffness and rigidity (Series ANSO®-WI) by manipulating the inner stylet. All needles are packaged sterile and intended for single use.

### HISTOLOGY

ANSO® Horizons International transbronchial needles for histology are ideal for obtaining large tissue specimens from the central and peripheral portions of the lung.

A dual needle (ANSO-19-W) has been developed to obtain histology specimens in the central airway. The inner needle serves as a trocar to ease penetration and prevent plugging by bronchial tissue. The inner needle is retracted to expose the outer needle for coring.

For Histology of the periphery, the flexible 19 gauge, single-lumen needle (ANSO-19-W) is recommended.

All needles are packaged sterile and intended for single use.

### Lockable Aspirating Syringe

A 20 cc disposable syringe is especially suited for aspiration needle. It can be used with all Horizons International trans-bronchial aspiration needles.

ANSO® TRANSBRONCHIAL ASPIRATION NEEDLES					
GAUGE	CYTOLOGY SPECIMEN			HISTOLOGY SPECIMEN	
	Flexible	Rigid	Flexible / Rigid	Use: C	P
22 GAUGE	ANSO-22-W	ANSO-22-WI	ANSO-22-WI		
21 GAUGE	ANSO-21-W	ANSO-21-WI	ANSO-21-WI		
20 GAUGE	ANSO-20-W	ANSO-20-WI	ANSO-20-WI		
19 GAUGE				ANSO-19-W	ANSO-19-WI

A: ANSO  
W Series: Flexible  
WI Series Rigid / Flexible with or without Stylet

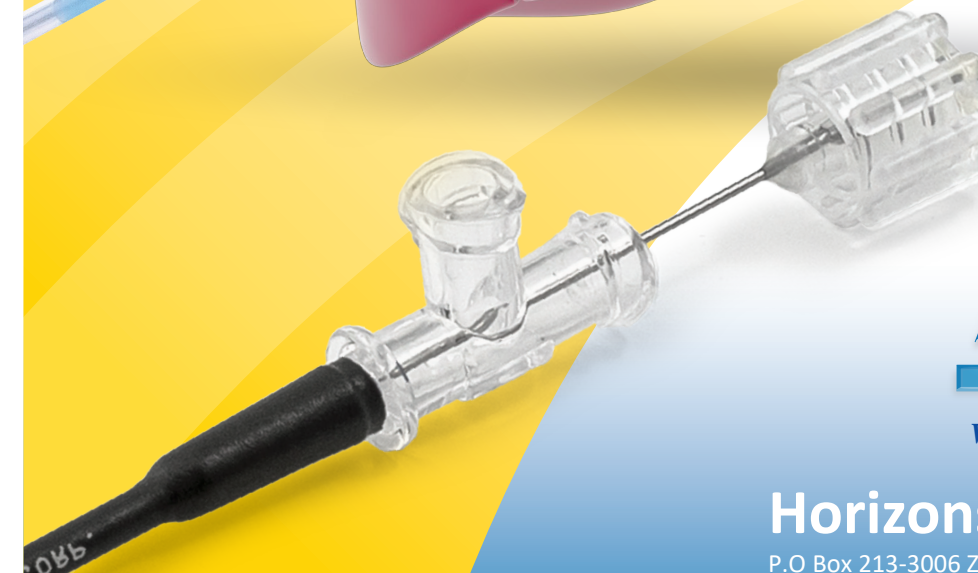
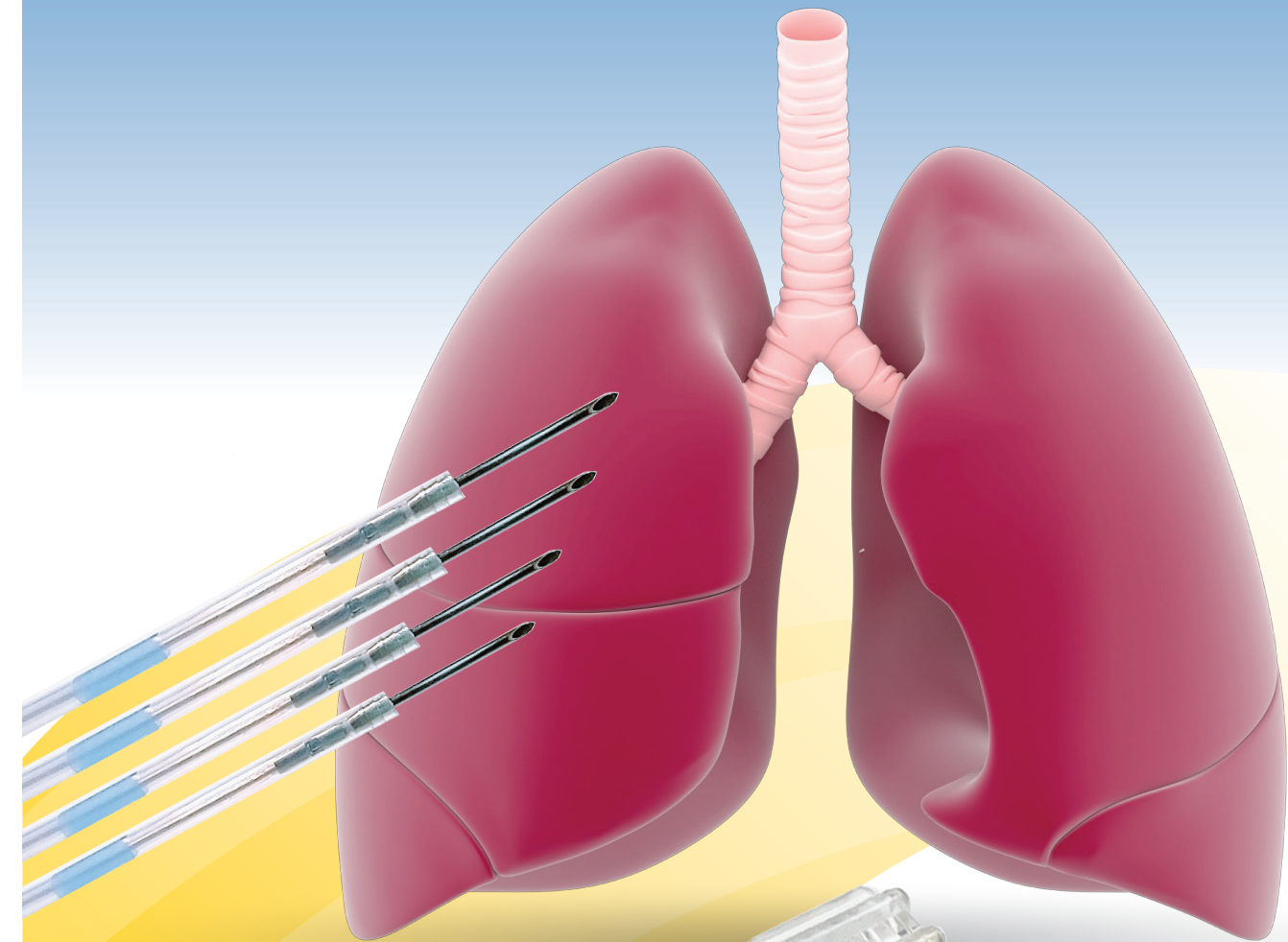
Caution: Federal law restricts this device to use by or on the order a physician. For information on other Horizons International products, contact your sales representative.



*We listen, Innovate, and Create to save lives*

For Cytology / Histology

# ANSO® TRANSBRONCHIAL ASPIRATIONS NEEDLE



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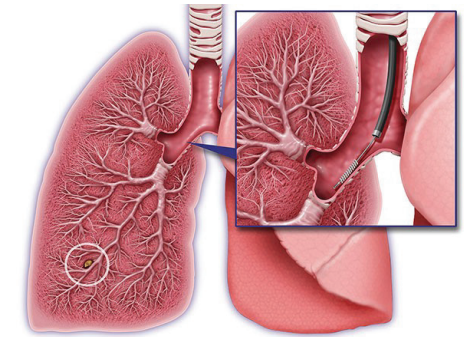
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# ANSO® - HORIZONS INTERNATIONAL TBNA INSTRUMENTS

## Features of ANSO® - Horizons International transbronchial needles

- All needles shown below feature a 1.8 mm working O.D. and 140cm working length
- Smooth metal hubs insure safe passage
- Clear teflon catheters for immediate recognition of bloody aspiration
- Retractable needles
- Stiffer versions for central lesions, flexible versions for peripheral lesions or a combined version for both
- Sterile, disposable, single patient use
- Available in boxes of five



CENTRAL					
NEEDLE	TYPE	SIZE	SUCTION	USE	ADDED FEATURE
ANSO-22-W	Single-lumen	22 ga. X 13 mm	Excellent	Cytology Collection	This needle has the best suction ability
ANSO-22-WI	Double-lumen, With stylet	22 ga. X 13 mm	Good	Cytology Collection	The Stylet of the needle is fully adjustable to provide varying degrees of flexibility, stylet prevent also the needle from plugging.
ANSO -21-W	Spring, rigid, single-lumen	21 ga. X 13 mm	Excellent	Cytology	The spring provides penetration into the bronchus with excellent aspiration capability
ANSO -20-WI	Spring single lumen combo; stiff or flexible distal catheter	20 ga. X 13 mm	Good	Cytology Smears	The inner stylet wire within the inner lumen provides the proper rigidity for an effective puncture
ANSO -19-WI	Dual needle-inner and outer needle have beveled tips	Outer 19 ga. X 13 mm Inner 21 ga. X 3 mm	Good	Histology	The needle has the largest gauge size for sampling in the central region
COMBINATION					
ANSO -22-WI	Double-lumen combination of stiff or flexible distal catheter	22 ga. X 13 mm	Good	Cytology Collection	"Versatile Needle": the style remains fully adjustable to provide varying degrees of flexibility; luer lock sideport syringe connection, which eliminates the need to remove the style for aspiration
ANSO -21-WI	Spring, single lumen combination of stiff or flexible distal catheter	21 ga. X 15 mm	Fair	Cytology Smears	Inner guidewire protrudes halfway into lumen of needle to "pack" cells
ANSO -20-WI	Double-lumen combination of stiff or flexible distal catheter	20 ga. X 15 mm	Variable	Cytology Smears	Retractable wire within the inner lumen provides the proper combination of stiffness and flexibility
PERIPHERAL					
ANSO -22-W	Single-lumen	22 ga. X 13 mm	Excellent	Cytology Collection	This needle has the best flexibility for peripheral specimen collection
ANSO -21-W	Spring, flexible, singlelumen	21 ga. X 13 mm	Excellent	Cytology	Spring at the distal end allows for excellent penetration
ANSO -20-W	Single-lumen	20 ga. X 13 mm	Good	Cytology Smears	Twisted wire stiffener within the inner lumen provides proper flexibility
ANSO -19-W	Single-lumen	19 ga. X 13 mm	Excellent	Histology	This needle has the largest gauge size for sampling in the peripheral region