

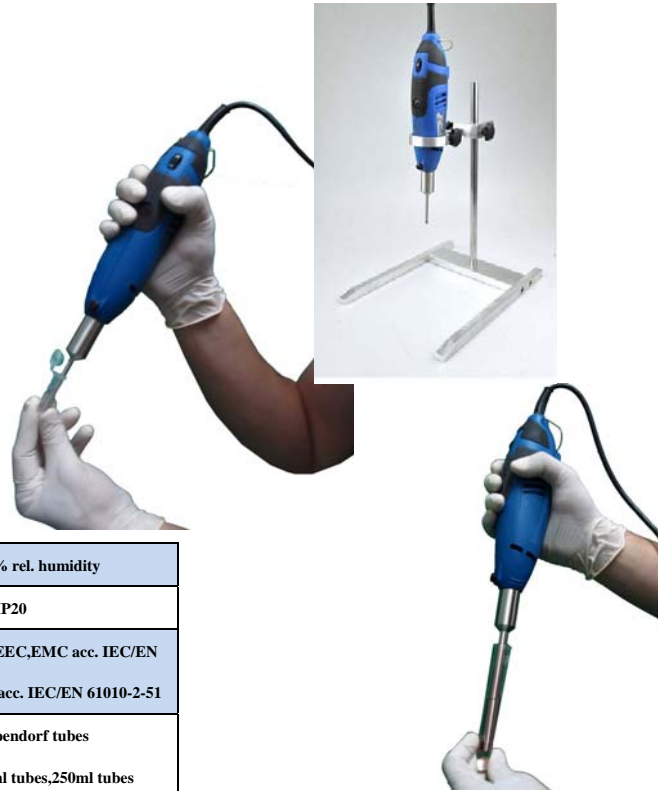
# WT-130 HOMOGENIZER/TISSUE TEAROR

Improved & Shaping the future of homogenizer.....

**Brief Description-** The WT 130 is a rotor/stator type hand held tissue homogenizer which can rapidly dispersing, homogenizing, extractions, cell disruption, mixing, emulsifying, suspending samples in 0.1 - 50 ml of liquid or 1-250ml depending on the dispersing shaft. During operation, the suspended material is drawn into the core of the homogenizer by a rotor turning at up to 30,000 rpm. The material is repeatedly cycled through narrow slits in the stator where it is rapidly sheared and disintegrated by high shear mechanical action. Complete homogenization of tissues (muscle, liver, breast tissue, etc.) is usually achieved in a few seconds. Little, if any, heat is produced during the process

## Features & Specifications

Working Volume (ml)	0.1-250 ml	Operating Environment	0-40°C, 95% rel. humidity
Motor type	Universal motor, 130 Watt	Protection class	IP20
/ Frequency	110-120V/60Hz, 220-240V / 50-60 Hz	Certified standards	89/336EEC, 72/023/EEC, EMC acc. IEC/EN 61000-6-2 / 3, Safety acc. IEC/EN 61010-2-51
Electrical Plug Type	UK Plug, US Plug, European Plug, China CCC Plug	Container Type	0.5ml Eppendorf tubes 50ml tubes, 100ml tubes, 250ml tubes
Speed range (rpm)	8,000 - 30,000	Warranty	2 years – spare part due to manufacturing defects
Speed control type	Dial knob 6 stage	Sterilization Method:	All
noise emission (drive only)	< 54 dB(A) at 30,000 rpm	pH Range:	2-13
Dimension LxWxH / ( mm)	250 x 250 x 400	Suitable for solvents & abrasive substances::	YES
Weight (kg)	0.6 kg (without stand) 1.6 kg (with stand)	Ultimate Fineness, Suspensions & Emulsion: (µm)	Suspension: 10-15    Emulsion : 1-10



## \*Unlimited Customer Support

"Pre-Order Questionnaire" & "Let's trial Run" programme if you suspect the correct equipment to purchase? Let's you help us by fill in the questionnaire or you can ship us the sampls for trial run ! It's totally "FREE"  
Dial +1888-312-6992 (tol free for North America, Canada & Putrea Rico) or local line 0173576175 for 7/24 hrs products enquiry online technical support, after sales services and warranty spare parts replacement



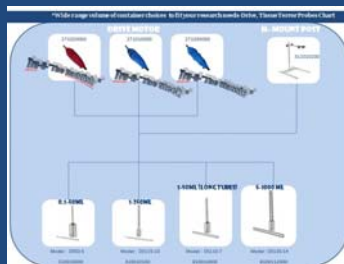
## \* Custom design of shaft set accustom to application and function

- custom design and fabrication of shaft set as customer requirement. Example: disposable plastic shaft set ( PE or polycarbonate ) or SS316L stainless steel to avoid cross contamination.



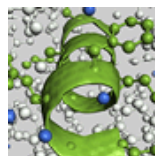
## \* Wide Range of application & Treatable Volume Container

- 0.1-1000 ml treatable samples volume from wide range of shaft set to choice as the tissue terror and cell breaker.

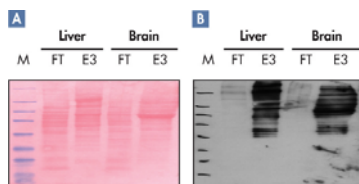


**Field Application and Proven Result**

- ✓ High effective in **genotyping, expression and proteomics** applications at demand to ensure high yields of DNA, RNA and protein.



- ✓ **Proven result** =>Successful purification of phosphoproteins from animal liver & brain after homogenized by purified by purify kit. The purified detected by western elution fraction 3.

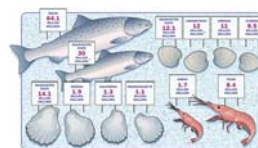


tissue tear and phosphoproteins phosphoproteins blotting in E3

- ✓ Shearing at full speed for as little as 30 seconds is usually sufficient to release nucleic acids or proteins from starting



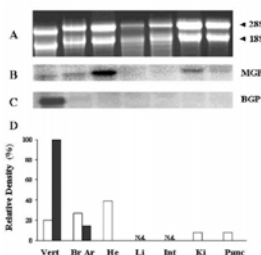
material(human or animal cell,plant tissue) allows reproducible purification of high-quality DNA and RNA using nucleic acid purification kits



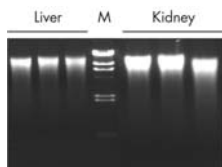
- ✓ Successfully assist in **marine aquaculture** industries for high yields of extraction

of DNA, RNA and protein from bony tissues(vertebra,jaw ) and branchial arches .

**Proven result** =>Tissue distribution of ArMGP and ArBGP from total RNA extracted from several *A. regius*



tissues (vertebra, Vert; branchial arches, Br Ar; liver, Li; heart, He; intestine, Int; kidney, Ki; Pancreas, Panc) was fractionated on a 1.4% formaldehyde-agarose gel after 50sec homogenized by the tissue tearor



**Proven result** : Genomic DNA was purified after analysed by agarose gel electrophoresis after the liver & kidney samples been homogenized the tissue

tearor.

**WT130 Homogenizer-Ordering Information**

Model	Description	Power Supply	Order No.	Model	Description	Order No.	Description	Order No.
WT130-DR	Drive WT130	220-240VAC/50-60Hz ,Euro Plug	271010000	WT130-AC	<b>Shaft Set for Replacement</b>			
		220-240VAC/50-60Hz ,CN Plug	271010100		Shaft set 0.1-50ml	310010000	5mm Teflon bush	311010300
		220-240VAC/50-60Hz ,UK Plug	271010200		Shaft set 1-250ml	310010100	10mm Teflon bush	311010400
		110-120VAC/60Hz, US Plug	271010300		Stand	311010200	Collette	311010500
<b>Other Accessories</b>								
					Shaft set 1-50ml(use with 50ml tubes)	810010000	Shaft set 5-1000ml	8100112000

