



JAEGER® Vyntus®

Powered by SentrySuite®



The new **Vyntus family** of products continues the JAEGER® tradition of clinically proven, lung function testing devices. The modular approach allows new features to be added as your diagnostic needs increase using Vyntus PNEUMO as the foundation for your future requirements.

Vyntus PNEUMO – Well-validated precision spirometry based on the most published flow-sensing principle.

Vyntus IOS – Uses only tidal breathing and is more sensitive than spirometry alone.

Vyntus APS – The single concentration method makes bronchial challenge testing easier to perform and cost effective.

SentrySuite – A platform designed to advance the experience of lung function testing for both the patient and operator.

Vyntus® PNEUMO

Vyntus PNEUMO offers you comprehensive spirometry testing:

- Forced Spirometry - Flow/Volume (FVC)
- Slow Spirometry - Slow Vital Capacity (SVC)
- Maximum Voluntary Ventilation (MVV)

Powerful features are:

- Pre/post handling and trend analysis
- Choice of 10 animated incentives to train and improve patient cooperation
- Expandable with Rocc, P0.1 and MIP/MEP modules

The modular approach allows complete flexibility as your requirements change, allowing you to expand on the Vyntus PNEUMO with additional test or equipment modules such as Vyntus IOS and Vyntus APS.



Vyntus® IOS

Vyntus IOS – Impulse Oscillometry System – combines spirometry and respiratory resistance diagnostics in one compact device:

- Forced Spirometry - Flow/Volume (FVC)
- Slow Spirometry - Slow Vital Capacity (SVC)
- Maximum Voluntary Ventilation (MVV)
- Respiratory Resistance analysis (Rrs and Xrs)

Powerful features are:

- Single key stroke and 20 seconds of quiet breathing to complete the test procedure
- Lung model interpretation chart that visualizes the degree of central and peripheral obstruction

Vyntus IOS can test a larger patient range than spirometry alone; from elderly down to young children, from athletes to severely ill, and neuromuscular disease patients, making the IOS useful in a broad clinical range.

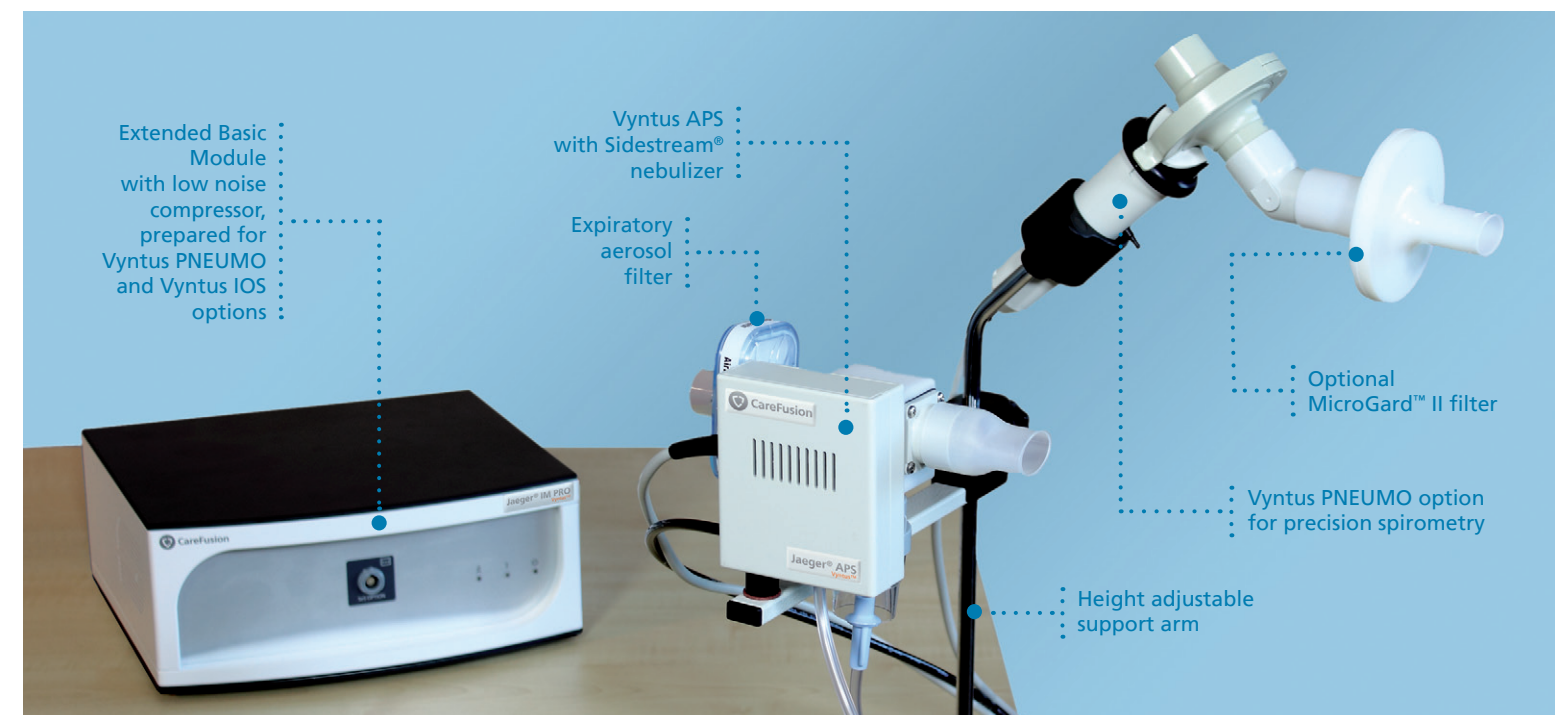
Vyntus® APS

Vyntus APS – Aerosol Provocation System – seamlessly integrated into Vyntus PNEUMO and Vyntus IOS, offers you sophisticated nebulizer technology ensuring the safe registration of various non-specific and specific dose-response protocols.

Vyntus APS comes standard with:

- Bronchial Challenge testing program (PD and PC threshold calculation)
- Choice of pulse or continuous nebulization

The two modes of administration, i.e. pulse or continuous nebulization, allow for a broad age range to be tested.



Featuring SentrySuite®

All-in-one user interface:

The SentrySuite software has been designed to advance the experience of lung function testing for both the patient and the operator and therefore improve the quality of the clinical findings.

The all-in-one user interface offers all tasks a lung function technician has to complete on one screen. All diagnostic programs follow the same all-in-one logic.

- New diagnostic programs are intuitive to use and reduce training requirements.
- Direct navigation to relevant tasks avoiding redundant menu steps.
- All-in-one; enter/search patient, calibrate, measure, validate, edit, comment, report and trend.

Patient data:
Enter and Search

System status

Reporting
and Trending

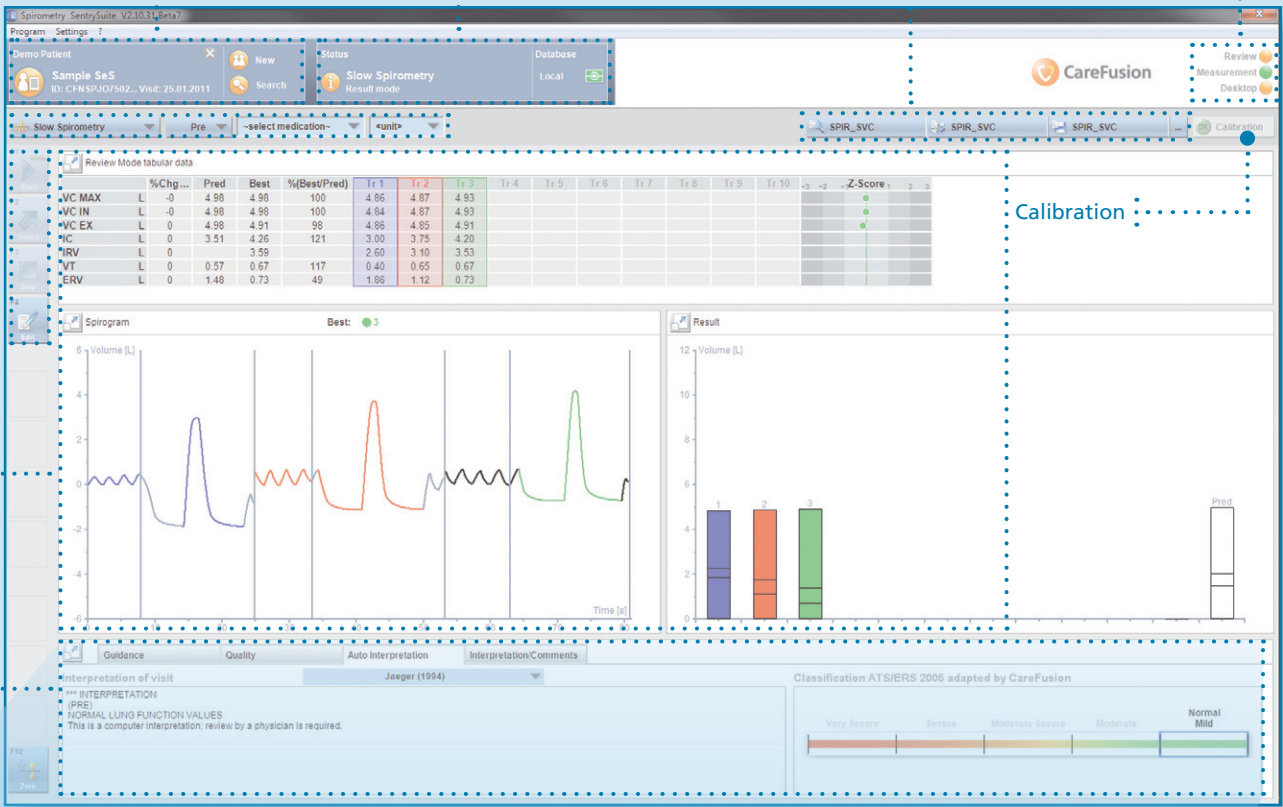
Lab workflow:
Physician Review
and Administrator Tools

Select test,
level and
medication

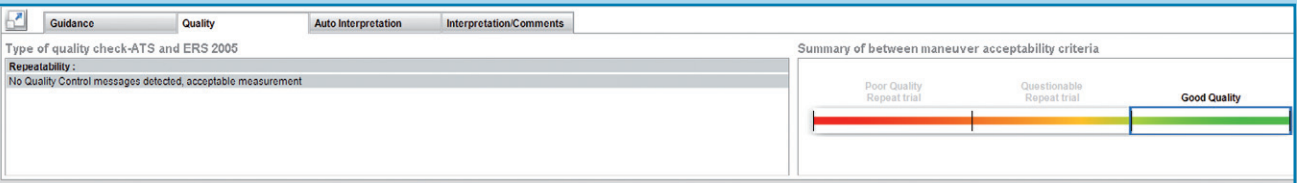
Measure
and edit

Test data with
adjustable
table,
graphs,
and Z-score

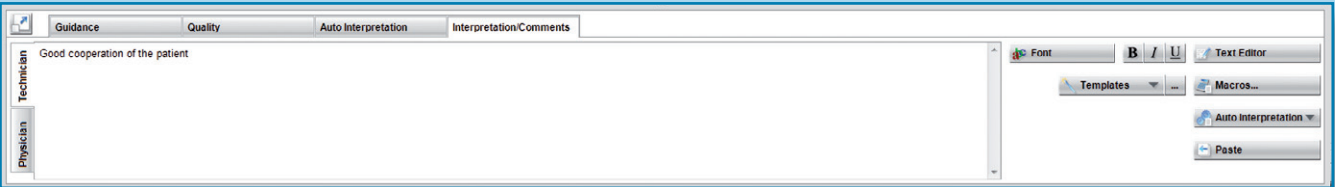
Post-test
workflow:
QA,
interpretation,
comments,
disease
classification



QA feedback per trial and repeatability check

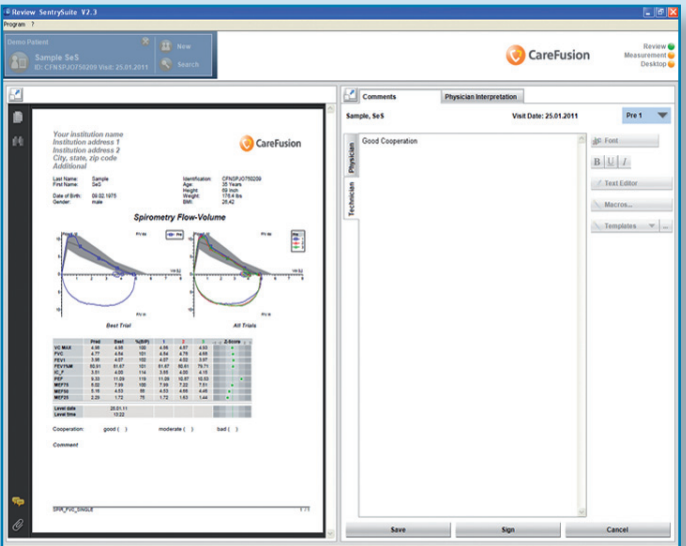
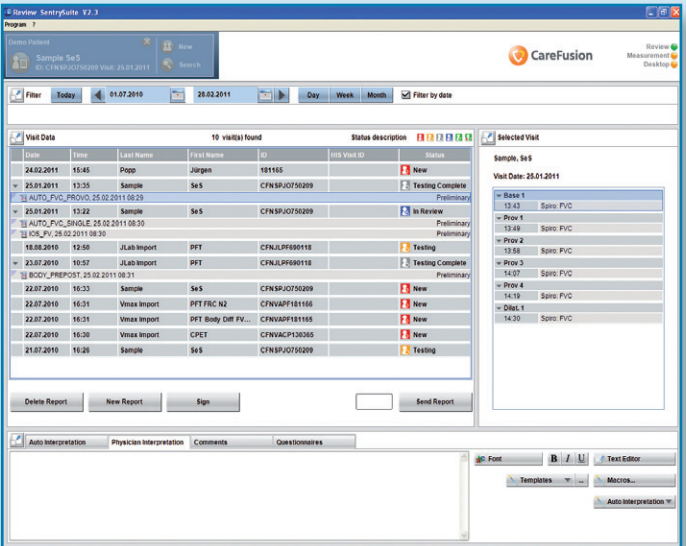


Templates for quick comments and interpretation



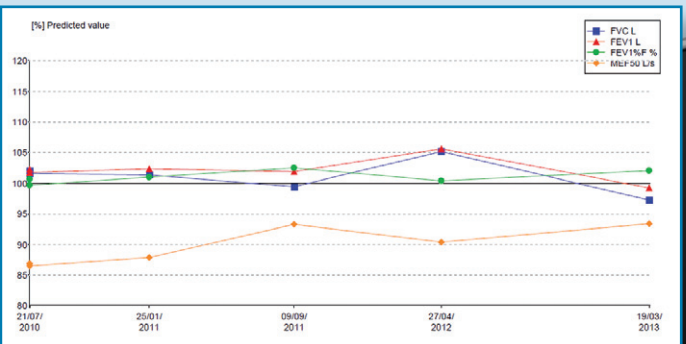
Optimising workflow

- The **Review program** holds all tools to efficiently complete the test procedure; quick filters to effectively sort visits, pre-set text macros and templates, direct short-cuts to the measurements and split-screen display of report and interpretation tools.



Flexible in all dimensions

- **Auto Report** automatically selects the relevant report to test procedure.
- Modifying an existing report or generate a new one is easily possible, i.e. layout, style, font size and colour are free formattable.
- Trending of all parameters and SQL export, ideal for clinical trials.



Patient continuum of care

- Import data from our Micro Medical spirometers to follow patients at home and complete their clinical picture.





Vyntus® APS completes the lung function procedure

The versatile Vyntus APS offers computer controlled nebulization for the precise administration of challenge substances. The inhalation of the challenge substances, can be efficiently controlled whilst on-line observing the patient's breathing maneuvers in a flow/time diagram.

Vyntus APS comes with:

Bronchial Challenge testing program for the determination of Provocation Dose or Concentration; PD/PC -20 FEV1 (Spirometry), PD/PC +50 (Rocc), PD/PC +40 R5 (IOS), PD/PC +35 Fres (IOS), etc.

Featuring:

- Specific and non-specific challenge testing
- Multiple and single concentration protocols

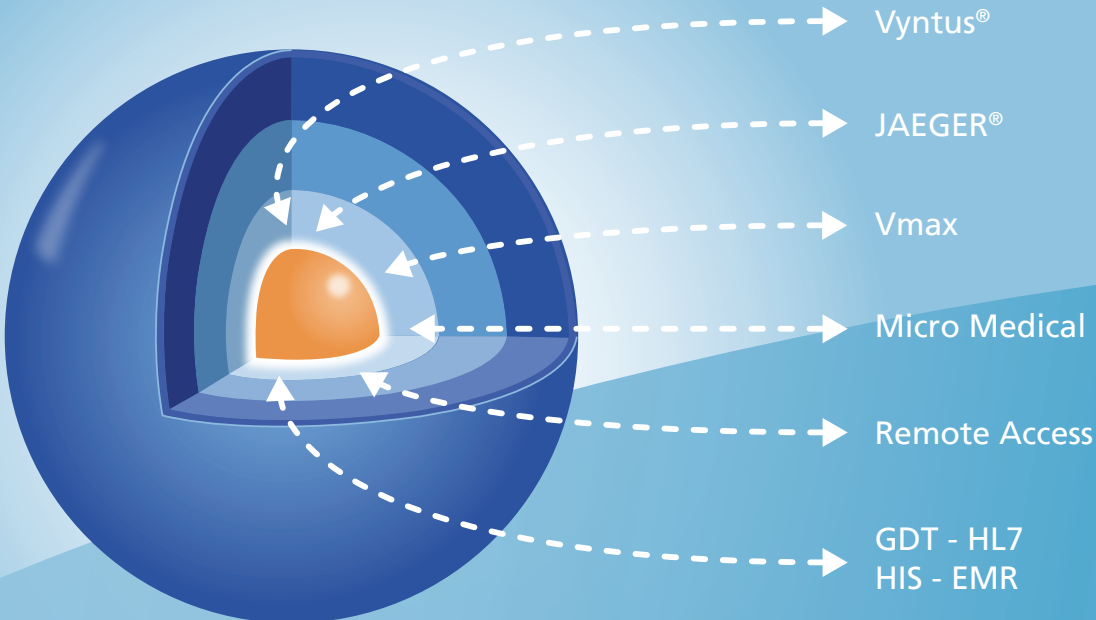
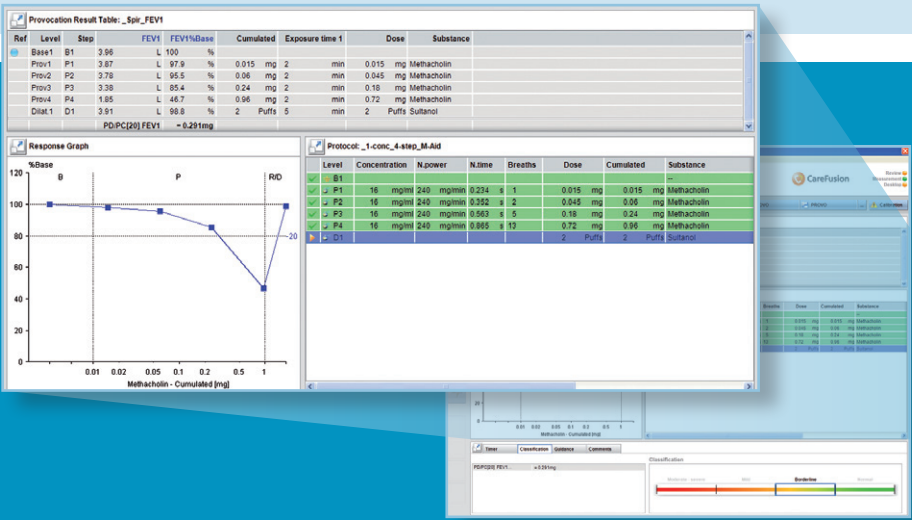
The experts found that...

- The single concentration dosimeter method provides values comparable to the Gold Standard.^(vi)

Ideal for:

pulmonary diagnostics, respiratory care departments, clinical labs, pediatrics, allergy labs, occupational medicine, pulmonary rehabilitation centers, physiology and research, etc.

- **Bronchial Challenge testing** program for software controlled, accurate and safe bronchial provocation testing, user guidance throughout the entire protocol, subject's response is monitored and software triggers for "proceed with next step" or flags for "pre-set provocation level has been achieved".



SentrySuite® with SQL database

SentrySuite® is compatible with your "CareFusion Family" of devices, i.e. the JAEGER Vyntus, MasterScreen and Oxycon instruments, the SensorMedics® Vmax Encore and the Micro Medical series. All PFT and CPET data collected on these devices (and others!) can be imported, combined, reviewed, interpreted and reported through one "database of record", SentrySuite. SentrySuite can import some competitors databases as well. Through phased-budgeting and life extension SentrySuite offers you a smooth transition to a new cardio-pulmonary diagnostic lab while securing your historical databases and capital investment.



The heart of the system, the JAEGER® flow transducer

The reliable, well-proven, accurate JAEGER **heated pneumotach** has been selected as the measurement device of choice in hundreds of publications. Its excellent dynamic range allows for testing a broad population, from small children to athletes. Thousands of PFT labs depend daily on its high performance. The **heated pneumotach**, which is easy to disassemble, complements with the validated MicroGard™ II bacterial/viral filter for a comprehensive hygiene concept.

The "CareFusion Experience"

CareFusion's Respiratory Diagnostics (RDx) division is active in over 120 countries and headquartered in the USA and Germany. It is an organization with over 60 years' experience in the field of pulmonary function testing founded on the reputed brands: Godart, Mijnhardt, JAEGER®, Beckman, Gould, Micro Medical, SensorMedics® and VIASYS®.

With over 500 employees at CareFusion RDx, we strive to continue the rich tradition of supplying reliable, professional and accessible cardiopulmonary diagnostic devices and services. Today we expand our offer to you with new diagnostic concepts and future oriented workflow and H-IT solutions. In conjunction with our global support organization we at CareFusion RDx are at your service in almost any country in the world.

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