

# NeuroQuant

## Quick Start Guide

### Installed System



**For NeuroQuant users on the Installed System.**

Follow this checklist to correctly set up and process 3D T1 MR images.



**CORTECHS Labs**

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## Start



## Getting Started

- ❑ Download recommended [NeuroQuant scanner settings](#) for GE, Philips, Siemens, Toshiba (1.5 T and 3.0 T) and Hitachi (1.2 T, 1.5 T and 3.0T).
- ❑ Ensure that NeuroQuant can be run on your operating system. Supported systems include Mac OS X, Microsoft Windows and Ubuntu (Linux).
  - ❑ See Hardware Requirements for detailed information.  
[www.cortechslabs.com/resources/installed-system](http://www.cortechslabs.com/resources/installed-system)

## Logging In

- ❑ Using the default user name [admin] and password [ctxapp], log into NeuroQuant:  
<https://hostname>
  - ❑ Replace 'hostname' with the IP address of your NeuroQuant system, if logging in from a different computer.
- ❑ After logging in, you will be directed to change your password.
- ❑ Your password\* must have:
  - ❑ At least eight (8) characters
  - ❑ At least one UPPER CASE letter
  - ❑ At least one special character (e.g. @, #, \$, %, etc.)
- ❑ Confirm new password by entering twice.

\* Protect the privacy of your account and data by using a strong and hard to guess password.



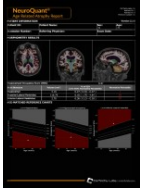
## Site Configuration/System Admin

- ❑ Configure site specific settings on the *Site Configuration* and *System Administration* pages.
  - ❑ Enter the correct administrator email and valid SMTP server (if required) to ensure system messages are received.
  - ❑ Modify the data retention period from the default (365 days), if desired
- ❑ Click Submit to save changes. All changes will be lost if submit is not clicked before navigating away from the page.

**NOTE:** DO NOT change the Site Name or your license key will be invalidated.



# Queue Monitor



## Dark Background

- ☐ Checking the Dark Background box will convert all reports to a dark background.
- ☐ Even when the Dark Background box is checked, white background PDF reports are available by download from the *Queue Monitor* page.



## CSV Output File

- ☐ Must be enabled by license to use.
- ☐ Clicking the CSV icon will export all data in a user account as a ZIP file.

# Custom Report Setup

## Alternative Reference Data

- ☐ Can only be used with Custom Volumetric Reports and only available for ages 55 to 100 years.
- ☐ Normative Reference Data: Default setting and standard reference data used with NeuroQuant reports; available for ages 3 to 100 years.
- ☐ MCI Alternative Reference data: scan data from subjects who were diagnosed with mild cognitive impairment.
- ☐ AD Alternative Reference Data: scan data from subjects who were diagnosed with Alzheimer's disease.

## Custom Volumetric Reports

- ☐ Must be enabled by a license to use.
- ☐ Navigate to the *Custom Reports* page to create a custom reports with up to 9 brain structures.
  - ☐ Select New report and choose a Reference Database (see above).
  - ☐ Select up to 9 structures from the drop down menu.
  - ☐ Use the radio buttons, choose the desired output for each structure
  - ☐ Enter a report name
  - ☐ Assign an AETitle (maximum 16 letters/numbers, no special characters.)
  - ☐ Click Submit.

**NOTE:** These steps must be performed in this order. If an error occurs, any prior input will be lost and need to be re-entered.



## Process

### Process 3D T1

Using port 104 on the NeuroQuant system:

- ❑ Send the T1-weighted, sagittal, non-contrast enhanced 3D MR series as DICOM images.
- ❑ Select the destination AETitle that corresponds to the required report. Send series images to the same report type, matching the report desired.

| Report to Generate             | DICOM AETitle   |
|--------------------------------|-----------------|
| Age Related Atrophy Report     | neuroquant_age  |
| Brain Development Report       | neuroquant_bd   |
| Hippocampal Asymmetry Report   | neuroquant_asym |
| Multi Structure Atrophy Report | neuroquant_msa  |
| Triage Brain Atrophy Report    | neuroquant_tba  |
| Custom Volumetric Report       | User determined |

- ❑ When the upload dialog box closes, your series will be automatically queued for processing.
  - ❑ It may take several minutes for your series to be transferred.
- ❑ Check that upload progress is displayed.
  - ❑ Processing will start automatically.
  - ❑ It could take up to 10 minutes to process, depending on computer performance specifications.

### NeuroQuant Complete

- ❑ Output will be sent automatically in DICOM format to the PACS host configured in the *System Administration* settings.
- ❑ Consult the NeuroQuant user manual or [support@cortechslabs.com](mailto:support@cortechslabs.com) for more information.



Finish