

Report formulas

Full Q.* catalog, named refs, Hidelf* / ShowIfTrue, V* plots.

Catalog of Quanto spreadsheet functions registered in `Spreado FunctionRegistry`, with short descriptions from `QuantoFunctionDescriptions`. Workflow and export: [Reports, import, and export](#).

Named context refs (use anywhere a sample path, compound name, or sample key is expected):

Name	Meaning	Example
<code>Q.CurrentSample</code>	Current sample relative path	<code>=Q.Sample("SampleName", Q.CurrentSample)</code>
<code>Q.CurrentCompound</code>	Current compound name	<code>=Q.Compound("Peak.Area", Q.CurrentSample, Q.CurrentCompound)</code>
<code>Q.CurrentSmpKey</code>	Current sample key (Sample keys view)	<code>=Q.KeyCompound("Result.FinalConcentration", Q.CurrentSmpKey, Q.CurrentCompound)</code>

Batch, method, samples

Function	Description	Example
<code>Q.Batch</code>	Batch field (Name, DataPath, LastSaved, ...)	<code>=Q.Batch("Name")</code>
<code>Q.Method</code>	Method field (Name, CalibrationMode, AreaThresholdPercent, ...)	<code>=Q.Method("CalibrationMode")</code>
<code>Q.Sample</code>	Sample field(s) for path(s)	<code>=Q.Sample("SampleName", Q.CurrentSample)</code>
<code>Q.Samples</code>	Vertical list of sample paths (sort/filter)	<code>=Q.Samples("Acquired", "Type", "=", "Sample")</code>
<code>Q.SmpKeys</code>	Distinct sample keys in batch order	<code>=Q.SmpKeys()</code>

Method lists

Function	Description	Example
<code>Q.Analytes</code>	Analyte names in method order	<code>=Q.Analytes()</code>
<code>Q.Doses</code>	Dose names in method order	<code>=Q.Doses()</code>
<code>Q.AcqKeys</code>	Acquisition-set names	<code>=Q.AcqKeys()</code>
<code>Q.Quants</code>	Distinct QntKey values	<code>=Q.Quants()</code>
<code>Q.SampleTypes</code>	Sample-type names	<code>=Q.SampleTypes()</code>
<code>Q.AnalyteGroups</code>	Analyte-group names	<code>=Q.AnalyteGroups()</code>
<code>Q.SumGroups</code>	Sum-group names	<code>=Q.SumGroups()</code>
<code>Q.AnalyteTypes</code>	Analyte-type names	<code>=Q.AnalyteTypes()</code>
<code>Q.SampleGroups</code>	Sample-group names	<code>=Q.SampleGroups()</code>

Compounds and results

Function	Description	Example
<code>Q.Compound</code>	Compound / peak / result fields for sample × compound	<code>=Q.Compound("Result.FinalConcentration", Q.CurrentSample, Q.CurrentCompound)</code>
<code>Q.KeyCompound</code>	Chosen result within a sample-key group	<code>=Q.KeyCompound("Result.FinalConcentration", Q.CurrentSmpKey, Q.CurrentCompound)</code>
<code>Q.Compounds</code>	Compound names for sample(s), optional filter	<code>=Q.Compounds(, Q.CurrentSample, "Result.Concentration", ">", 0)</code>
<code>Q.AllCompounds</code>	Sample/compound columns across the batch	<code>=Q.AllCompounds(, "Result.Concentration", ">", 50)</code>

`Q.Compound` property paths include `Peak.*`, `Peak.AutoInt.*`, `Peak.ManInt.*`, `Result.*`, `Level.*`, `Q1.*` qualifiers, and related prefixes — see names-grid help in the designer.

Calibration levels

Function	Description	Example
<code>Q.Level</code>	Level field for compound / level key	<code>=Q.Level("Concentration", , Q.CurrentCompound, \$B\$4#)</code>
<code>Q.Levels</code>	Level keys for sample/compound context	<code>=Q.Levels(, Q.CurrentSample, Q.CurrentCompound)</code>
<code>Q.AllLevels</code>	Level matrix or analyte/level-key lists	<code>=Q.AllLevels("Result.Concentration")</code>

Sheet helpers

Function	Description	Example
<code>Q.SheetName</code>	Worksheet name containing the formula	<code>=Q.SheetName()</code>
<code>Q.TemplateName</code>	Report template file name (no extension)	<code>=Q.TemplateName()</code>
<code>Q.RepeatCells</code>	Tile a source range	<code>=Q.RepeatCells(A1:B2, 2, 3)</code>
<code>Q.ByRowAndColumn</code>	LAMBDA over row × column vectors	<code>=Q.ByRowAndColumn(A1:D1, A2:A5, LAMBDA(r,c,r&"-"&c))</code>
<code>Q.VSearch</code>	Find text on sheets; return relative cells	<code>=Q.VSearch({"Results"}, {"Limit"}, {"R0C1"})</code>

Show / hide blocks

Place in column A to hide rows or in row 1 to hide columns. Worksheet must contain `HIDE` in **A1** to enable visibility processing. Use `--` on spilled refs so blanks become numeric zero.

Function	Description	Example
<code>Q.HideIfError</code>	Hide when values are errors	<code>=Q.HideIfError(--A1#)</code>
<code>Q.HideIfBlank</code>	Hide when values are blank	<code>=Q.HideIfBlank(--A1#)</code>
<code>Q.HideIfFalse</code>	Hide when values are FALSE	<code>=Q.HideIfFalse(--A1#>0)</code>
<code>Q.ShowIfTrue</code>	Show only when values are TRUE	<code>=Q.ShowIfTrue(--I5#>10)</code>

(Same family as noted in the reports guide: `HidelfError` / `HidelfBlank` / `HidelfFalse` / `ShowIfTrue`.)

Visual plots (baked on export)

Function	Description	Example
<code>Q.VSample</code>	Sample TIC plot in the cell	<code>=Q.VSample(Q.CurrentSample)</code>
<code>Q.VCompound</code>	Compound chromatogram	<code>=Q.VCompound(Q.CurrentSample, Q.CurrentCompound)</code>
<code>Q.VCalibration</code>	Calibration curve plot	<code>=Q.VCalibration(Q.CurrentSample, Q.CurrentCompound)</code>
<code>Q.VQualifier</code>	Qualifier overlay (0 = quant, 1 = all, 2+ = specific)	<code>=Q.VQualifier(Q.CurrentSample, Q.CurrentCompound, 1)</code>

Related

- [Reports, import, and export](#)
- [Manual integration](#) — `Peak.AutoInt` / `ManInt`
- [Key Review](#) — `Q.KeyCompound` / `Q.SmpKeys`